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Claims

- 1) A process for the preparation of gabapentin which comprises the passage of a gabapentin inorganic salt through a strong cationic ionic exchange resin, the elution of gabapentin fixed 5 on the column, the concentration of the resultant solution and the crystallization from organic solvent, characterized in that the elution of gabapentin fixed on the column is carried out by using an ammonia and alkaline hydroxide aqueous solution.
- 2) A process according to claim 1 wherein the alkaline hydroxide is NaOH.
- 3) A process according to claim 1 wherein the ammonia and NaOH aqueous solution is 10 obtained by mixing an ammonia aqueous solution at 3-4% with a sodium hydroxide aqueous solution at 7-8%.
- 4) A process according to claim 1 wherein the gabapentin sodium salt that is present in the eluate is neutralized with an aqueous solution of HCl.
- 5) A process according to claim 1 which comprises fixing gabapentin on a strong cationic 15 resin, washing with water, eluting the resin with an ammonia and sodium hydroxide aqueous solution and washing the resin with demineralised water, collecting the fractions containing gabapentin, concentrating the solution till about 50%, neutralizing by HCl the present gabapentin sodium salt, further concentrating till a thick residue, crystallizing gabapentin from alcoholic solvents.